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Obviously, the **trap door** one-way functions used in public **key** encryption are much more complex. In the case of RSA encryption, the public **key** is the **trap ...**

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**PSEC: Provably Secure Elliptic Curve Encryption Scheme (Submission ...**PSEC-2 is a public-**key** encryption system that uses the elliptic curve ElGamal **trapdoor** function, two random functions (hash functions) and a **symmetric- ...**

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**Numb3rs Season 3 Episode 11: Killer Chat****Symmetric key** cryptography was the only kind of cryptography publicly known ... the existence of a type of mathematical functions called **trapdoor** functions. ...

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**Notes for Lectures 12–14.1 General One-Way and Trapdoor Functions**Thus, one-way functions suffice for **symmetric** encryption. However, they do not suffice for public-**key** encryption: you really need the **trapdoor** to be able to ...

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The very heart of the Diffie-Hellman idea is the use of **trapdoor** one-way ... secret **key** is reserved for use in association with **symmetric-key** cryptosystems. ...

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**Explanation of the Three Types of Cryptosystems - GIAC Research in ...**Feb 6, 2007 ... A major challenge associated with **symmetric key** cryptosystems is the ... using the computation of large logarithms as a **trapdoor** function. ...

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**Electronic Notes in Theoretical Computer Science : A New Rabin ...**May 20, 2006 ... A New Rabin-type **Trapdoor** Permutation Equivalent to Factoring ..... Hashing, evaluations of the **key** derivation function and the **symmetric key** ...

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**Public Key Cryptography Tutorial**These public **key**-private **key** pairs are **trap door** one way functions i.e. its very easy to ...Other ciphers, such as those used for **symmetric key** encryption, ...

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 W Diffie, M Hellman - IEEE Transactions on information Theory, 1976 - [ieeexplore.ieee.org](#)

... introduce the even more difficult problem of trap doors. ... number generator (eg, a noisy diode) for generating K ... of this kind, the problem of key distribution ...

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 RL Rivest, A Shamir, L Adleman - Communications of the ACM, 1978 - [portal.acm.org](#)

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RL Rivest, A Shamir, Y Tauman - Lecture Notes in Computer Science, 2002 - Springer

 ... but we have to modify it slightly in order to use trapdoor one way ... 3.1 RSA Trap-Door Permutations Each ring member  $A_i$  has an RSA public key  $P_i = (n_i, e_i)$  ...

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**[book]** Foundations of Cryptography II: Basic Applications

O Goldreich - 2004 - Cambridge University Press

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M Jakobsson, K Sako, R Impagliazzo - Lecture Notes in Computer Science, 1996 - Springer

... We demonstrate how a trapdoor commitment scheme can be used to construct designated ...

Example Trap-door commitment scheme 1. [4] Secret key of the ...

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 ... based scheme, I might include, in addition to  $k$ , a global prime number and generator

of a ... (In cases where the family is not trapdoor, the secret key is sim ...

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... practical public-key encryption scheme semantically secure against adaptive chosen-ciphertext attacks (IND-CCA2) is to convert from a primitive trap-door one ...

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How to share a function securely

A De Santis, Y Desmedt, Y Frankel, M Yung - Proceedings of the twenty-sixth annual ACM symposium on ...

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## (WO/2005/038818) EFFICIENT MANAGEMENT OF CRYPTOGRAPHIC KEY GENERATIONS

**SELANDER, Göran** [SE/SE]; (SE) (US Only). LINDHOLM, Fredrik [SE/SE]; (SE) (US Only).

... at **key update**, **key** information of an older **key generation** by the **key** ...

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## Efficient management of cryptographic key generations invention

Inventors: **Göran Selander**, Fredrik Lindholm, Magnus Nystrom ... While it is easy to indicate the **key generation** being used, it may be difficult or even ...

www.freshpatents.com/Efficient-management-of-cryptographic-key-generations-dt20070607plan20070127719.php - 34k - [Cached](#) - [Similar pages](#)

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**Göran Selander** (Ericsson, Ambient Networks project): Application of Cryptographic ...

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## Attaching an IMS Subscriber to an Unknown Foreign Network

of the session **key**. Note that the attachment procedure makes it possible for the user to encrypt ... **Göran Selander** for comments and suggestions. References ... **Generation Partnership Project Technical Specification**, TS 23.234 V7.5.0. ...

ieeeexplore.ieee.org/iel5/4545485/4545486/04545520.pdf - [Similar pages](#)  
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## Ambient Network Attachment

A **key** aspect of the project is to establish a common control layer for various network types, ... **Göran Selander** ... **generation** networks and within the AN project ..... [7] **Göran** Klang,